

**Report of
Endangered, Threatened, and Special Concern
Plants, Animals, and Natural Communities
for Estill County, Kentucky**

**Kentucky State Nature Preserves
Commission
801 Schenkel Lane
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Kentucky State Nature Preserves Commission

Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none E = endangered T = threatened S = special concern H = historic X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none C = candidate LT = listed as threatened LE = listed as endangered

SOMC = Species of Management Concern

RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled

GU = Unrankable

G2 = Imperiled

G#? = Inexact rank (e.g. G2?)

G3 = Vulnerable

G#Q = Questionable taxonomy

G4 = Apparently secure

G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)

G5 = Secure

GH = Historic, possibly extinct

GNR = Unranked

GX = Presumed extinct

GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled

SU = Unrankable

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):

S2 = Imperiled

S#? = Inexact rank (e.g. G2?)

S3 = Vulnerable

S#Q = Questionable taxonomy

S#B = Rank of breeding population

S4 = Apparently secure

S#T# = Intraspecific taxa

S#N = Rank of non-breeding population

S5 = Secure

SNR = Unranked

S#M = Rank of transient population

SH = Historic, possibly extirpated

SNA = Not applicable

SX = Presumed extirpated

COUNT DATA FIELDS

OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county

H - reported from the county but not seen for at least 20 years

F - reported from county & cannot be relocated but for which further inventory is needed

X - known to have extirpated from the county

U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

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County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
						E	H	F	X	U
Estill	Mosses	<i>Abietinella abietina</i>	Wire Fern Moss	T /	G4G5 / S2?	2	0	0	0	0
Estill	Mosses	<i>Tortula norvegica</i>	Tortula	E /	G5 / S1?	1	0	0	0	0
Estill	Vascular Plants	<i>Bouteloua curtipendula</i>	Side-oats Grama	S /	G5 / S3?	4	0	0	0	0
Estill	Vascular Plants	<i>Calamagrostis porteri ssp. insperata</i>	Bent Reedgrass	E / SOMC	G4T3 / S1S2	4	0	0	0	0
Estill	Vascular Plants	<i>Castanea pumila</i>	Allegheny Chinkapin	T /	G5 / S2	1	0	0	0	0
Estill	Vascular Plants	<i>Dichanthelium boreale</i>	Northern Witchgrass	S /	G5 / S2S3	2	0	0	0	0
Estill	Vascular Plants	<i>Dodecatheon frenchii</i>	French's Shooting Star	S /	G3 / S3	0	0	1	0	0
Estill	Vascular Plants	<i>Elymus svensonii</i>	Svenson's Wildrye	T / SOMC	G3 / S2S3	1	0	0	0	0
Estill	Vascular Plants	<i>Gratiola viscidula</i>	Short's Hedgehyssop	S /	G4G5 / S3	1	0	0	0	0
Estill	Vascular Plants	<i>Juglans cinerea</i>	White Walnut	S / SOMC	G4 / S3	1	0	0	0	0
Estill	Vascular Plants	<i>Juncus articulatus</i>	Jointed Rush	S /	G5 / S2S3	1	0	0	0	0
Estill	Vascular Plants	<i>Lathyrus venosus</i>	Smooth Veiny Peavine	S /	G5 / S2S3	2	0	0	0	0
Estill	Vascular Plants	<i>Muhlenbergia cuspidata</i>	Plains Muhly	T /	G4 / S2	9	0	0	0	0
Estill	Vascular Plants	<i>Paxistima canbyi</i>	Canby's Mountain-lover	T / SOMC	G2 / S2	3	0	1	0	0
Estill	Vascular Plants	<i>Poa saltuensis</i>	Drooping Bluegrass	E /	G5 / S1S2	0	1	0	0	0
Estill	Vascular Plants	<i>Prenanthes alba</i>	White Rattlesnake-root	E /	G5 / S1	2	0	0	0	0
Estill	Vascular Plants	<i>Salix amygdaloides</i>	Peach-leaved Willow	H /	G5 / SH	0	1	0	0	0
Estill	Vascular Plants	<i>Solidago puberula</i>	Downy Goldenrod	S /	G5 / S2	1	1	0	0	0
Estill	Vascular Plants	<i>Spiranthes lucida</i>	Shining Ladies'-tresses	T /	G5 / S2S3	1	0	0	0	0
Estill	Vascular Plants	<i>Symphoricarpos albus</i>	Snowberry	E /	G5 / S1	8	0	0	0	0
Estill	Vascular Plants	<i>Thaspium pinnatifidum</i>	Cutleaf Meadow-parsnip	T / SOMC	G2G3 / S2S3	0	1	0	0	0
Estill	Vascular Plants	<i>Trichostema setaceum</i>	Narrowleaved Bluecurls	E /	G5 / S1	0	1	0	0	0
Estill	Vascular Plants	<i>Viburnum rafinesquianum var. rafinesquianum</i>	Downy Arrowwood	T /	G5T4T5 / S2	1	0	0	0	0
Estill	Freshwater Mussels	<i>Epioblasma triquetra</i>	Snuffbox	E / SOMC	G3 / S1	0	1	0	0	0
Estill	Freshwater Mussels	<i>Villosa lienosa</i>	Little Spectaclecase	S /	G5 / S3S4	0	1	2	0	0
Estill	Crustaceans	<i>Cambarus veteranus</i>	Big Sandy Crayfish	S / SOMC	G3 / S1	0	1	0	0	0
Estill	Insects	<i>Pseudanophthalmus exoticus</i>	Exotic Cave Beetle	H / SOMC	G1 / SH	0	1	0	0	0
Estill	Fishes	<i>Ichthyomyzon fossor</i>	Northern Brook Lamprey	T /	G4 / S2	2	0	0	0	0

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						E	H	F	X	U
Estill	Mammals	<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	S / SOMC	G3G4 / S3	9	2	0	0	0
Estill	Mammals	<i>Corynorhinus townsendii virginianus</i>	Virginia Big-eared Bat	E / LE	G4T2 / S1	4	0	0	0	0
Estill	Mammals	<i>Myotis sodalis</i>	Indiana Bat	E / LE	G2 / S1S2	6	1	0	0	0
Estill	Mammals	<i>Ursus americanus</i>	American Black Bear	S /	G5 / S2	1	0	0	0	0
Estill	Communities	<i>Acidic sub-xeric forest</i>		/	GNR / S5	1	0	0	0	0
Estill	Communities	<i>Appalachian mesophytic forest</i>		/	GNR / S4S5	3	0	0	1	0
Estill	Communities	<i>Appalachian sub-xeric forest</i>		/	GNR / S5	1	0	0	0	0
Estill	Communities	<i>Calcareous mesophytic forest</i>		/	GNR / S5	0	0	0	2	0
Estill	Communities	<i>Calcareous sub-xeric forest</i>		/	GNR / S5	2	0	0	0	0
Estill	Communities	<i>Limestone barrens (open woodland)</i>		/	GNR / S2	1	0	0	0	0
Estill County Total:						75	12	4	3	0